Chemical Resistance - Non-Metallic Gaskets

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	Durlon® Compressed Non-Asbestos Sheet						Durlon® PTFE				Durlon® Flexible Graphite			Durlon® HT1000®		
Fluid	5000 7900 7910 7925 7950	8300 8900	8400	8500	8600	8700	9000 9000N 9002	9200	9400	Virgin Joint Sealant 9600	FGS95	CFG FGL316 FGM316	FGT316	S90	L316	T316
Acetaldehyde	NS	NS	NS	NS	NS	NS	A	A	A	A	A	A	A	C	C	C
Acetic Acid (<5%)	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Acetic Acid (6-37%)	NS	NS	NS	NS	NS	NS	A	A	A	A	A	A	A	A	A	A
Acetic Acid Glacial	NS	NS	NS	NS	NS	NS	A	A	A	A	A	A	A	A	A	A
Acetic Anhydride	C	C	C	C	C	A	A	A	A	A	A	A	A	-	-	-
Acetone	NS	NS	NS	NS	NS	NS	A	A	A	A	A	A	A	C	C	C
Acetonitrile	NS	NS	NS	NS	NS	A	A	A	A	A	NS	NS	NS	-	-	-
Acetylene	A	A	A	A	NS	A	A	A	A	A	A	A	A	C	C	C
Acrolein	NS	NS	NS	NS	NS	NS	A	A	A	A	NS	NS	NS	-	-	-
Acrylic Acid	NS	NS	NS	NS	NS	NS	A	A	A	A	A	NS	NS	-	-	-
Acrylonitrile	NS	NS	NS	NS	NS	NS	A	A	A	A	A	A	A	-	-	-
Air	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Alum	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Aluminum Acetate	A	A	A	A	NS	A	A	A	A	A	C	C	C	A	A	A
Aluminum Chloride	A	A	A	A	A	A	A	A	A	A	A	A	-	A	-	-
Aluminum Fluoride	A	A	A	A	A	A	-	A	A	A	A	A	-	-	-	-
Aluminum Hydroxide	A	A	A	A	A	A	A	A	A	A	A	NS	NS	A	-	-
Aluminum Nitrate	A	A	A	A	A	A	A	A	NS	A	C	C	C	-	-	-
Aluminum Sulfate	A	A	A	A	A	A	A	A	A	A	A	NS	NS	-	-	-
Amines	NS	NS	NS	NS	NS	NS	A	A	A	A	A	A	A	-	-	-
Ammonia, Gas (<110°F)	C	A	A	A	A	A	A	A	A	A	A	C	C	A	-	-
Ammonia, Gas (>110°F)	NS	NS	NS	NS	NS	NS	A	A	A	A	A	NS	NS	A	-	-
Ammonia Aqueous Liquid	C	A	A	A	NS	A	-	-	-	-	A	A	-	-	-	-
Ammonia, (Liquid Anhydrous)	C	A	A	A	NS	NS	A	A	A	A	A	A	A	A	A	A
Ammonium Bisulfite	A	A	A	A	C	A	A	A	A	A	NS	NS	NS	-	-	-
Ammonium Chloride	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Ammonium Hydroxide (<10%)	A	A	A	A	NS	A	A	A	A	A	-	-	-	-	-	-
Ammonium Hydroxide (Sat'd)	A	A	A	A	NS	C	-	-	-	-	-	-	-	-	-	-
Ammonium Nitrate	A	A	A	A	A	A	A	A	NS	A	A	A	A	-	-	-
Ammonium Phosphate	A	A	A	A	A	A	A	A	A	A	A	A	A	-	-	-
Ammonium Sulfate	A	A	A	A	A	A	A	A	A	A	A	A	A	-	-	-
Ammonium Sulfide	A	A	A	A	C	A	A	A	A	A	-	-	-	-	-	-
Amyl Chloride	NS	NS	NS	NS	NS	NS	A	A	A	A	A	A	A	A	A	A
Aniline, Aniline Oil	NS	NS	NS	NS	NS	NS	A	A	A	A	A	A	A	C	C	C
Aqua Regia	NS	NS	NS	NS	NS	NS	A	A	NS	A	NS	NS	NS	-	-	-
Arsenic Acid	A	A	A	A	A	A	A	A	A	A	A	A	A	-	-	-
Asphalt	A	A	A	A	NS	NS	A	A	A	A	A	A	A	A	A	A
Aviation Fuels	A	A	A	A	NS	NS	A	A	A	A	A	A	A	A	A	A
Baking Soda	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Barium Chloride	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Barium Hydroxide	A	A	A	A	A	A	A	A	A	A	A	A	-	-	-	-
Barium Sulfate	A	A	A	A	A	A	-	-	-	-	A	A	-	-	-	-
Barium Sulfide	A	A	A	A	A	A	A	A	A	A	A	A	-	-	-	-
Beer	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Benzaldehyde	NS	NS	NS	NS	NS	NS	A	A	A	A	A	A	A	-	-	-
Benzene (Benzol)	NS	NS	NS	NS	NS	NS	A	A	A	A	A	A	A	C	C	C
Benzoic Acid	NS	NS	NS	NS	NS	NS	A	A	A	A	A	A	A	A	A	A

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Fluid	5000 7900 7910 7925 7950	8300 8900	8400	8500	8600	8700	9000 9000N 9002	9200	9400	Virgin Joint Sealant 9600	FGS95	CFG FGL316 FGM316	FGT316	S90	L316	T316
Benzoyl Chloride	NS	NS	NS	NS	NS	NS	A	A	A	A	C	NS	NS	-	-	-
Benzyl Alcohol	NS	NS	NS	NS	NS	C	A	A	A	A	A	C	C	-	-	-
Benzyl Chloride	NS	NS	NS	NS	NS	NS	A	A	A	A	A	A	A	-	-	-
Black Sulfate Liquor (<200°F)	C	A	A	A	NS	NS	A	A	A	A	C	C	C	C	C	C
Black Sulfate Liquor (>200°F)	NS	NS	NS	NS	NS	NS	A	A	A	A	NS	NS	NS	NS	NS	NS
Bleach Solutions (Sodium Hyprochlorite)	NS	NS	NS	NS	NS	NS	A	A	C	A	C	NS	NS	A	-	-
Biodiesel (<B15)	A	A	A	A	NS	NS	A	A	A	A	-	-	-	-	-	-
Biodiesel (>B15)	NS	NS	NS	NS	NS	NS	A	A	C	A	-	-	-	-	-	-
Boiler Feed Water	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Borax	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Boric Acid	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Brine	A	A	A	A	A	A	A	A	A	A	A	C	C	-	-	-
Bromine (Liquid)	NS	NS	NS	NS	NS	NS	A	A	A	A	-	-	-	-	-	-
Bromine (Gas)	NS	NS	NS	NS	NS	NS	A	A	A	A	-	-	-	-	-	-
Butadiene	NS	NS	NS	NS	NS	NS	A	A	A	A	A	A	A	A	A	A
Butane	A	A	A	A	NS	C	A	A	A	A	A	A	A	A	A	A
2-Butanone	NS	NS	NS	NS	NS	NS	A	A	A	A	A	A	A	C	C	C
Butyl Acetate	NS	NS	NS	NS	NS	NS	A	A	A	A	A	A	A	C	C	C
Butyl Alcohol (Butanol)	A	A	A	A	A	A	A	A	A	A	A	A	A	C	C	C
n-Butyl Amine	C	C	C	C	NS	NS	A	A	A	A	A	A	A	C	C	C
tert-Butyl Amine	NS	NS	NS	NS	NS	NS	A	A	A	A	A	A	A	-	-	-
Butyl Methacrylate	NS	NS	NS	NS	NS	NS	A	A	A	A	C	NS	NS	-	-	-
Butylene (Butene)	A	A	A	A	NS	C	A	A	A	A	A	A	A	-	-	-
Butyric Acid	NS	NS	NS	NS	NS	NS	A	A	A	A	A	A	A	C	C	C
Calcium Bisulfite	A	A	A	A	NS	A	A	A	A	A	A	A	A	-	-	-
Calcium Carbonate	A	A	A	A	A	A	A	A	A	A	A	A	A	-	-	-
Calcium Chlorate	A	A	A	A	NS	A	-	-	-	-	Y	-	-	-	-	-
Calcium Chloride	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Calcium Hydroxide	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Calcium Hypochlorite	NS	NS	NS	NS	NS	NS	A	A	A	A	A	A	A	A	A	A
Calcium Nitrate	A	A	A	A	A	A	A	A	NS	A	A	A	A	-	-	-
Calcium Sulfate	A	A	A	A	NS	C	-	-	-	-	A	A	A	A	-	-
Caprolactam	NS	NS	NS	NS	NS	NS	A	A	A	A	NS	NS	NS	-	-	-
Carbon Dioxide, dry	A	A	A	A	C	C	A	A	A	A	A	A	A	A	A	A
Carbon Dioxide, wet	A	A	A	A	C	C	A	A	A	A	A	A	A	A	A	A
Carbon Disulfide	NS	NS	NS	NS	NS	NS	A	A	A	A	A	A	A	C	C	C
Carbon Monoxide	A	A	A	A	NS	C	A	A	A	A	A	A	A	A	A	A
Carbon Tetrachloride	NS	NS	NS	NS	NS	NS	A	A	A	A	A	A	A	C	C	C
Castor Oil	A	A	A	A	C	A	A	A	A	A	A	A	A	A	-	-
Caustic Potash	C	C	C	C	C	C	C	C	C	A	A	A	A	A	A	A
Caustic Soda (NaOH) (<10%)	A	A	A	A	C	A	A	A	A	A	A	-	-	-	-	-
Caustic Soda (NaOH) (10-50%)	NS	NS	NS	NS	NS	NS	C	A	A	A	A	-	-	-	-	-
Chloric Acid	NS	NS	NS	NS	NS	NS	-	-	-	A	-	-	-	-	-	-
Chlorine, liquid (Dry)	NS	NS	NS	NS	NS	NS	A	A	A	A	A	C	C	-	-	-
Chlorine Liquid	NS	NS	NS	NS	NS	NS	A	A	A	A	A	NS	NS	-	-	-
Chlorine Dioxide	NS	NS	NS	NS	NS	NS	A	A	NS	A	C	NS	NS	-	-	-
Chlorine Gas (Dry)	NS	NS	NS	NS	NS	NS	A	A	A	A	-	-	-	-	-	-

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Chlorine Gas (Wet)	NS	NS	NS	NS	NS	NS	A	A	A	A	-	-	-	-	-	-
Chlorinated Water (<3500ppm)	NS	NS	NS	NS	NS	NS	A	A	A	A	-	-	-	-	-	-
Chlorinated Water (>3500ppm)	NS	NS	NS	NS	NS	NS	A	A	A	A	-	-	-	-	-	-
Chlorobenzene	NS	NS	NS	NS	NS	NS	A	A	A	A	A	A	A	-	-	-
Chloroethane	A	A	A	A	NS	NS	A	A	A	A	A	A	A	-	-	-
Chloroethylene	NS	NS	NS	NS	NS	NS	A	A	A	A	A	C	C	-	-	-
Chloroform	NS	NS	NS	NS	NS	NS	A	A	A	A	A	A	A	C	C	C
Chlorosulfonic Acid	NS	NS	NS	NS	NS	NS	A	A	-	A	A	-	-	-	-	-
Chromic Acid	NS	NS	NS	NS	NS	NS	A	A	NS	A	A	A	A	C	C	C
Chromic Acid (10%)	-	-	-	-	-	-	A	A	-	A	-	-	-	-	-	-
Chromic Acid (30%)	-	-	-	-	-	-	A	A	-	A	-	-	-	-	-	-
Chromic Acid (40%)	-	-	-	-	-	-	A	A	-	A	-	-	-	-	-	-
Chromic Acid (50%)	-	-	-	-	-	-	A	A	-	A	-	-	-	-	-	-
Citric Acid	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Coal Gas	NS	NS	NS	NS	NS	A	A	A	A	A	A	A	A	A	A	A
Coconut Oil	A	A	A	A	NS	C	A	A	-	-	A	A	A	-	-	-
Coke Oven Gas	NS	NS	NS	NS	NS	NS	A	A	A	A	-	-	-	-	-	-
Copper Acetate	A	A	A	A	NS	A	-	-	-	-	A	A	A	A	-	-
Copper Chloride	A	A	A	A	A	A	A	A	A	A	-	-	-	-	-	-
Copper Sulfate	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Corn Oil	A	A	A	A	NS	C	A	A	A	A	A	A	A	A	A	A
Cotton Seed Oil	A	A	A	A	NS	A	A	A	A	A	A	A	A	A	A	A
Creosote (Coal Tar)	A	A	A	A	NS	NS	A	A	A	A	A	A	A	A	A	A
Cresol	NS	NS	NS	NS	NS	NS	A	A	A	A	A	A	A	A	A	A
Crude Oil	A	A	A	A	NS	C	A	A	A	A	A	A	A	A	A	A
Cumene	NS	NS	NS	NS	NS	NS	A	A	A	A	-	-	-	-	-	-
Cyclohexane	C	C	C	C	NS	C	A	A	A	A	A	A	A	-	-	-
Cyclohexanone	NS	NS	NS	NS	NS	NS	A	A	A	A	A	A	A	A	A	A
Detergent Solutions	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Diacetone Alcohol	NS	NS	NS	NS	NS	NS	A	A	A	A	A	A	A	-	-	-
Diazomethane	NS	NS	NS	NS	NS	NS	A	A	A	A	NS	NS	NS	-	-	-
Dibenzyl Ether	NS	NS	NS	NS	NS	NS	A	A	A	A	A	NS	NS	C	NS	NS
Dibutylamine	NS	NS	NS	NS	NS	NS	A	A	A	A	-	-	-	-	-	-
Dichlorobenzene	NS	NS	NS	NS	NS	NS	A	A	A	A	A	A	A	-	-	-
Dichlorobenzidene	NS	NS	NS	NS	NS	NS	A	A	A	A	NS	NS	NS	-	-	-
Dichloroethylene	NS	NS	NS	NS	NS	NS	A	A	A	A	A	A	A	-	-	-
Dichloroethyl Ether	NS	NS	NS	NS	NS	NS	A	A	A	A	-	-	-	-	-	-
Dichloromethane	NS	NS	NS	NS	NS	NS	A	A	A	A	A	NS	NS	-	-	-
Diesel Fuel	A	A	A	A	NS	C	A	A	A	A	A	A	A	A	A	A
Dimethylamine	NS	NS	NS	NS	NS	NS	A	A	A	A	-	-	-	-	-	-
Diethyl Carbonate	NS	NS	NS	NS	NS	NS	A	A	A	A	A	NS	NS	-	-	-
Dimethyl Acetamide	NS	NS	NS	NS	NS	NS	A	A	A	A	-	-	-	-	-	-
Dimethylformamide (DMF)	NS	NS	NS	NS	NS	NS	A	A	A	A	-	-	-	-	-	-
Dioxane	NS	NS	NS	NS	NS	NS	A	A	A	A	A	-	-	-	-	-
Dowtherm A	NS	NS	NS	NS	NS	NS	A	A	A	A	A	A	A	-	-	-
Dowtherm E	NS	NS	NS	NS	NS	NS	A	A	A	A	A	A	A	-	-	-
Dowtherm J	NS	NS	NS	NS	NS	NS	A	A	A	A	A	A	A	-	-	-
Epichlorohydrin	NS	NS	NS	NS	NS	NS	A	A	A	A	A	C	C	-	-	-

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Ethane	A	A	A	A	NS	C	A	A	A	A	A	A	A	A	A	A
Ether	NS	NS	NS	NS	NS	NS	A	A	A	A	A	A	A	-	-	-
Ethyl Acetate	NS	NS	NS	NS	NS	NS	A	A	A	A	A	A	A	C	C	C
Ethyl Alcohol (Ethanol)	A	A	A	A	A	A	A	A	A	A	A	A	A	C	C	C
Ethylbenzene	NS	NS	NS	NS	NS	NS	A	A	A	A	A	A	A	-	-	-
Ethylchloride	A	A	A	A	C	NS	A	A	A	A	A	A	A	C	C	C
Ethylene	A	A	A	A	C	NS	A	A	A	A	A	A	A	C	C	C
Ethylene Bromide	NS	NS	NS	NS	NS	NS	A	A	A	A	A	-	-	-	-	-
Ethylene Dichloride (EDC)	NS	NS	NS	NS	NS	NS	A	A	A	A	A	A	A	-	-	-
Ethylene Glycol	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Ethyl Ether	NS	NS	NS	NS	C	NS	A	A	A	A	A	A	A	C	C	C
Ethylene Oxide	NS	NS	NS	NS	NS	NS	A	A	A	A	A	A	A	-	-	-
Fatty Acids	A	A	A	A	NS	C	A	A	A	A	A	A	A	A	A	A
Ferric Chloride	A	A	A	A	A	A	A	A	A	A	A	NS	NS	-	-	-
Ferric Hydroxide	A	A	A	A	NS	A	-	-	-	-	-	-	-	-	-	-
Ferric Nitrate	A	A	A	A	A	A	-	-	-	-	A	A	-	-	-	-
Ferrous Chloride	A	A	A	A	NS	A	A	A	A	A	A	NS	NS	-	-	-
Ferrous Sulfate	A	A	A	A	A	A	-	-	-	-	C	C	C	-	-	-
Fish Oil	A	A	A	A	NS	A	-	-	-	-	A	-	-	-	-	-
Flue Gas	A	A	A	A	NS	NS	-	-	-	-	A	-	-	-	-	-
Fluorine Gas (Dry)	NS	NS	NS	NS	NS	NS	NS	NS	C	A	A	-	-	-	-	-
Fluorine Gas (Wet)	NS	NS	NS	NS	NS	NS	NS	NS	C	A	-	-	-	-	-	-
Formaldehyde	A	A	A	A	C	C	A	A	A	A	A	A	A	C	C	C
Formic Acid	NS	NS	NS	NS	C	A	A	A	A	A	A	A	A	A	A	A
Freon (See Refrigerants)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fuel Oil	A	A	A	A	NS	C	A	A	A	A	A	A	A	A	A	A
Gas, Natural	A	A	A	A	NS	A	A	A	A	A	A	A	A	A	A	A
Gasoline	A	A	A	A	NS	NS	A	A	A	A	A	A	A	C	C	C
Gasoline Sour	A	A	A	A	NS	NS	A	A	A	A	-	-	-	-	-	-
Gelatin	A	A	A	A	A	A	A	A	A	A	A	A	-	-	-	-
Glucose	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Glycerin (Glycerol)	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Green Sulfate Liquor	C	C	C	C	NS	C	A	A	A	A	C	C	C	-	-	-
Glycol	A	A	A	A	NS	A	A	A	A	A	A	C	C	A	C	C
Heptane	A	A	A	A	NS	C	A	A	A	A	A	A	A	A	A	A
Hexane	A	A	A	A	NS	C	A	A	A	A	A	A	A	A	A	A
Hydraulic Oil (Mineral)	A	A	A	A	NS	C	A	A	A	A	A	A	A	A	A	A
Hydraulic Oil (Phosp. Ester)	NS	NS	NS	NS	NS	NS	A	A	A	A	A	A	A	A	A	A
Hydrazine	C	C	C	C	C	C	A	A	A	A	A	A	A	A	A	A
Hydrochloric Acid (<30%)	NS	NS	NS	NS	NS	NS	A	A	A	A	-	-	-	-	-	-
Hydrochloric Acid (>30%)	NS	NS	NS	NS	NS	NS	A	A	A	A	A	NS	NS	A	NS	NS
Hydrofluoric Acid	NS	NS	NS	NS	NS	NS	NS	NS	A	A	A	NS	NS	-	-	-
Hydrogen	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Hydrogen Chloride, (Dry)	NS	NS	NS	NS	NS	NS	A	A	A	A	A	NS	NS	-	-	-
Hydrogen Fluoride (HF)	NS	NS	NS	NS	NS	NS	NS	NS	A	A	A	NS	NS	A	NS	NS
Hydrogen Peroxide (10%)	C	C	C	C	C	C	A	A	A	A	C	C	C	A	A	A
Hydrogen Peroxide (50%)	NS	NS	NS	NS	NS	NS	A	A	-	A	-	-	-	-	-	-
Hydrogen Peroxide (90%)	NS	NS	NS	NS	NS	NS	A	A	-	A	-	-	-	-	-	-

Chemical Resistance - Non-Metallic Gaskets

The following information is a general guide only for the selection of a suitable gasket material as there are unlimited combinations of fluid, pressure, and temperature conditions.

A = Acceptable C = Caution-Dependent on Conditions NS = Not Suitable - = No Data Available

	Durlon® Compressed Non-Asbestos Sheet						Durlon® PTFE				Durlon® Flexible Graphite			Durlon® HT1000®		
Fluid	5000 7900 7910 7925 7950	8300 8900	8400	8500	8600	8700	9000 9000N 9002	9200	9400	Virgin Joint Sealant 9600	FGS95	CFG FGL316 FGM316	FGT316	S90	L316	T316
Hydrogen Sulfide (Dry)	C	C	C	C	C	A	A	A	A	A	A	A	A	-	-	-
Hydrogen Sulfide (Wet)	NS	NS	NS	NS	NS	A	A	A	A	A	A	A	A	-	-	-
Hydroquinone	NS	NS	NS	NS	NS	NS	A	A	A	A	A	A	A	-	-	-
Iodine	A	A	A	A	A	NS	A	A	A	A	NS	NS	NS	-	-	-
Isobutane	A	A	A	A	NS	NS	A	A	A	A	A	-	-	-	-	-
Isooctane	A	A	A	A	NS	NS	A	A	A	A	A	A	A	A	A	A
Isopropyl Alcohol	A	A	A	A	A	A	A	A	A	A	A	A	A	C	C	C
Isopropyl Ether	A	A	A	A	NS	NS	A	A	-	-	A	A	-	-	-	-
Jet Fuel	A	A	A	A	NS	NS	A	A	A	A	A	A	A	A	A	A
Kerosene	A	A	A	A	NS	NS	A	A	A	A	A	A	A	A	A	A
Lacquer Solvents	NS	NS	NS	NS	NS	NS	A	A	A	A	A	A	A	A	A	A
Lactic Acid	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Lead Sulfate	A	A	A	A	NS	A	-	-	-	-	-	-	-	-	-	-
Linoleic Acid	C	C	C	C	NS	NS	-	-	-	-	-	-	-	-	-	-
Linseed Oil	A	A	A	A	NS	C	A	A	A	A	A	A	A	A	A	A
Lubricating Oil	A	A	A	A	NS	C	A	A	A	A	A	A	A	A	A	A
Magnesium Carbonate	A	A	A	A	NS	A	-	-	-	-	-	-	-	-	-	-
Magnesium Chloride	A	A	A	A	A	A	A	A	A	A	A	NS	NS	-	-	-
Magnesium Hydroxide	A	A	A	A	A	A	A	A	A	A	A	A	A	-	-	-
Magnesium Sulfate	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Maleic Acid	A	A	A	A	NS	NS	A	A	A	A	A	A	A	A	A	A
Maleic Anhydride	NS	NS	NS	NS	NS	NS	A	A	A	A	NS	NS	NS	-	-	-
Mercuric Chloride	A	A	A	A	A	C	A	A	A	A	NS	NS	NS	-	-	-
Mercury	A	A	A	A	A	A	A	A	A	A	-	-	-	-	-	-
Methane	A	A	A	A	NS	C	A	A	A	A	A	A	A	C	C	C
Methanol	A	A	A	A	A	A	A	A	A	A	A	A	A	C	C	C
Methylacrylic Acid	NS	NS	NS	NS	NS	NS	A	A	A	A	-	-	-	-	-	-
Methyl Acetone	NS	NS	NS	NS	NS	NS	A	A	-	-	-	-	-	-	-	-
Methyl Alcohol	A	A	A	A	A	A	A	A	A	A	A	A	A	C	C	C
Methyl Amine	C	C	C	C	NS	C	-	-	-	-	-	-	-	-	-	-
Methylene Chloride	NS	NS	NS	NS	NS	NS	A	A	A	A	A	NS	NS	C	NS	NS
Methyl Ethyl Ketone, MEK	NS	NS	NS	NS	NS	NS	A	A	A	A	A	A	A	C	C	C
Methyl Isobutyl Ketone	NS	NS	NS	NS	NS	NS	A	A	A	A	A	A	A	-	-	-
Methyl Chloride	NS	NS	NS	NS	NS	NS	A	A	A	A	-	-	-	C	-	-
Methyl Isocyanate	NS	NS	NS	NS	NS	NS	A	A	A	A	NS	NS	NS	-	-	-
Methyl Methacrylate	NS	NS	NS	NS	NS	NS	A	A	A	A	NS	NS	NS	-	-	-
Milk	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Mineral Oil	A	A	A	A	NS	C	A	A	A	A	A	A	A	A	A	A
Muriatic Acid	NS	NS	NS	NS	NS	NS	A	A	A	A	A	NS	NS	-	-	-
Naphtha	A	A	A	A	C	NS	A	A	A	A	A	A	A	A	A	A
Naphthalene	NS	NS	NS	NS	NS	NS	A	A	A	A	A	A	A	-	-	-
Natural Gas	A	A	A	A	NS	A	A	A	A	A	A	A	A	A	A	A
Nickel Ammonium Sulfate	NS	NS	NS	NS	NS	NS	-	-	-	-	-	-	-	-	-	-
Nickel Nitrate	A	A	A	A	A	A	-	-	-	-	-	-	-	-	-	-
Nickel Sulfate	A	A	A	A	A	A	A	A	A	A	A	A	A	-	-	-
Nitric Acid (<30%)	NS	NS	NS	NS	NS	NS	A	A	NS	A	A	A	A	A	A	A
Nitric Acid (>30%)	NS	NS	NS	NS	NS	NS	A	A	NS	A	NS	NS	NS	A	A	A
Nitrobenzene	NS	NS	NS	NS	NS	NS	A	A	A	A	A	A	A	A	A	A

Chemical Resistance - Non-Metallic Gaskets

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A = Acceptable C = Caution-Dependent on Conditions NS = Not Suitable - = No Data Available

	Durlon® Compressed Non-Asbestos Sheet						Durlon® PTFE				Durlon® Flexible Graphite			Durlon® HT1000®		
Fluid	5000 7900 7910 7925 7950	8300 8900	8400	8500	8600	8700	9000 9000N 9002	9200	9400	Virgin Joint Sealant 9600	FGS95	CFG FGL316 FGM316	FGT316	S90	L316	T316
Nitrogen	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Nitrogen Dioxide	NS	NS	NS	NS	NS	NS	A	A	NS	A	-	-	-	-	-	-
Nitrogen Tetroxide	NS	NS	NS	NS	NS	NS	A	A	NS	A	-	-	-	-	-	-
Nitrous Acid	NS	NS	NS	NS	NS	NS	-	-	-	-	-	-	-	-	-	-
Nitrous Oxide	A	A	A	A	NS	A	-	-	-	-	-	-	-	-	-	-
Octane	A	A	A	A	NS	C	A	A	A	A	A	A	A	A	A	A
Oil, Crude	A	A	A	A	NS	C	A	A	A	A	A	A	A	A	A	A
Oil, Mineral	A	A	A	A	NS	NS	A	A	A	A	A	A	A	A	A	A
Oleic Acid	A	A	A	A	NS	C	A	A	A	A	A	A	A	A	A	A
Oleum, Fuming H2SO4	NS	NS	NS	NS	NS	NS	A	NS	-	A	NS	NS	NS	A	-	-
Olive Oil	A	A	A	A	NS	C	-	-	-	-	A	A	A	-	-	-
Oxalic Acid	A	A	A	A	C	A	A	A	A	A	A	A	A	A	A	A
Oxygen (gas)	NS	NS	NS	NS	NS	NS	A	A	NS	A	A	NS	A	-	-	-
Oxygen (liquid)	NS	NS	NS	NS	NS	NS	A	A	NS	A	A	NS	A	-	-	-
Ozone	NS	NS	NS	NS	NS	NS	A	A	C	A	NS	NS	NS	-	-	-
Paraffin	A	A	A	A	NS	C	A	A	A	A	A	A	A	-	-	-
Pentane	A	A	A	A	NS	C	A	A	A	A	A	C	C	-	-	-
Perchloroethylene	NS	NS	NS	NS	NS	NS	A	A	A	A	A	A	A	C	C	C
Petroleum	A	A	A	A	NS	C	A	A	A	A	A	A	A	A	A	A
Phenol	NS	NS	NS	NS	NS	NS	A	A	A	A	A	A	A	A	A	A
Phosphoric Acid (<45%)	NS	NS	NS	NS	NS	NS	A	A	A	A	A	C	C	A	C	C
Phosphoric Acid (>45%)	NS	NS	NS	NS	NS	NS	C	A	A	A	A	C	C	C	C	C
Phthalic Acid	A	A	A	A	NS	NS	A	A	A	A	A	A	A	A	A	A
Phthalic Anhydride	NS	NS	NS	NS	NS	A	A	A	A	A	A	A	A	A	A	A
Polyacrylonitrile	A	A	A	A	A	A	A	A	A	A	A	A	A	-	-	-
Polyvinyl Acetate	A	A	A	A	NS	C	-	-	-	-	A	A	-	-	-	-
Potash	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Potassium Chloride	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Potassium Dichromate	A	A	A	A	C	C	A	A	A	A	A	A	A	A	A	A
Potassium Hydroxide	C	C	C	C	C	C	C	A	A	A	C	C	C	A	A	A
Potassium Nitrate	A	A	A	A	A	A	A	A	C	A	A	A	A	A	A	A
Potassium Sulfate	A	A	A	A	A	A	A	A	A	A	A	A	A	-	-	-
Potassium Sulfide	A	A	A	A	A	A	-	-	-	-	-	-	-	-	-	-
Potassium Sulfite	A	A	A	A	A	A	-	-	-	-	-	-	-	-	-	-
Propane	A	A	A	A	NS	C	A	A	A	A	A	A	A	A	A	A
Propylene	NS	NS	NS	NS	NS	NS	A	A	A	A	A	A	A	A	A	A
Propyl Alcohol	A	A	A	A	A	A	A	A	A	A	A	A	-	-	-	-
Propylene Glycol	A	A	A	A	A	A	A	A	A	A	A	A	-	-	-	-
Pydrauls, Skydrols	NS	NS	NS	NS	NS	NS	A	A	A	A	C	C	C	-	-	-
Pyridine	NS	NS	NS	NS	NS	NS	A	A	A	A	A	A	A	C	C	C
Red Sulfite Liquor	NS	NS	NS	NS	NS	NS	A	A	A	A	C	C	C	-	-	-
Red Sulfite Liquor (>380°F)	NS	NS	NS	NS	NS	NS	C	C	C	C	A	NS	NS	-	-	-
Refrigerant R-11 **	A	A	A	A	NS	NS	A	A	A	A	A	A	A	-	-	-
Refrigerant R-12 **	A	A	A	A	C	A	A	A	A	A	A	C	C	-	-	-
Refrigerant R-22 **	C	C	C	C	C	A	A	A	A	A	A	A	A	-	-	-
Refrigerant R-113 **	A	A	A	A	C	A	A	A	A	A	C	C	C	-	-	-
Refrigerant HCFC 123 **	C	NS	C	C	NS	C	A	A	A	A	-	-	-	-	-	-
Refrigerant HCFC 124 *	C	NS	C	C	NS	A	A	A	A	A	-	-	-	-	-	-

Chemical Resistance - Non-Metallic Gaskets

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	Durlon® Compressed Non-Asbestos Sheet						Durlon® PTFE				Durlon® Flexible Graphite			Durlon® HT1000®		
Fluid	5000 7900 7910 7925 7950	8300 8900	8400	8500	8600	8700	9000 9000N 9002	9200	9400	Virgin Joint Sealant 9600	FGS95	CFG FGL316 FGM316	FGT316	S90	L316	T316
Refrigerant HFC 125 *	C	C	C	C	NS	A	A	A	A	A	-	-	-	-	-	-
Refrigerant HFC 134a *	A	A	A	A	C	A	A	A	A	A	-	-	-	-	-	-
Refrigerant HCFC 141b	A	A	A	A	NS	A	A	A	A	A	-	-	-	-	-	-
Refrigerant HFC 236fa	A	A	A	A	NS	A	A	A	A	A	-	-	-	-	-	-
Refrigerant Blend HP 62*	A	A	A	A	NS	A	A	A	A	A	-	-	-	-	-	-
Refrigerant Blend HP 80	C	C	C	C	NS	A	A	A	A	A	-	-	-	-	-	-
Refrigerant Blend HP 81	C	C	C	C	NS	A	A	A	A	A	-	-	-	-	-	-
Refrigerant Blend 404a*	A	A	A	A	NS	A	A	A	A	A	-	-	-	-	-	-
Salicylic Acid	A	A	A	A	A	NS	-	-	-	-	-	-	-	A	-	-
Sea Water	A	A	A	A	A	A	A	A	A	A	A	NS	NS	A	NS	NS
Silicone Oil	A	A	A	A	A	A	A	A	-	-	A	A	-	A	-	-
Silver Chloride	A	A	A	A	A	A	-	-	-	-	-	-	-	-	-	-
Silver Nitrate	A	A	A	A	A	A	A	A	A	A	A	A	A	-	-	-
Soap Solutions	A	A	A	A	A	A	A	A	C	A	A	A	A	A	A	A
Soda Ash	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Sodium Bicarbonate	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Sodium Bisulfate	A	A	A	A	C	A	-	-	-	-	A	A	A	-	-	-
Sodium Bisulfite	A	A	A	A	C	A	A	A	A	A	A	A	A	A	A	A
Sodium Carbonate	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Sodium Chloride	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Sodium Hydroxide (<10%)	A	A	A	A	C	A	A	A	A	A	A	-	-	-	-	-
Sodium Hydroxide (10-50%)	NS	NS	NS	NS	NS	NS	C	A	A	A	A	-	-	-	-	-
Sodium Hypochlorite	NS	NS	NS	NS	C	C	A	A	C	A	C	NS	NS	-	-	-
Sodium Nitrate	A	A	A	A	A	A	A	A	A	A	-	-	-	-	-	-
Sodium Phosphate	A	A	A	A	A	A	A	A	A	A	A	A	A	-	-	-
Sodium Silicate	A	A	A	A	A	A	A	A	A	A	A	C	C	A	C	C
Sodium Sulfate	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Sodium Sulfite	A	A	A	A	A	A	-	-	-	-	-	-	-	-	-	-
Sour Crude Oil	A	A	A	A	NS	C	A	A	A	A	A	A	A	A	A	A
Soybean Oil	A	A	A	A	NS	A	A	A	A	A	A	A	A	A	A	A
Steam (to 450°F)	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Steam (over 450°F)	A	A	A	A	C	C	NS	NS	NS	NS	A	A	A	A	A	A
Steam (Low-med Pressure)	A	A	A	A	A	C	A	A	A	A	A	A	A	-	-	-
Steam (High Pressure)	NS	A	A	A	C	NS	-	-	-	-	A	A	A	-	-	-
Stearic Acid	A	A	A	A	C	A	A	A	A	A	A	A	A	A	A	A
Stoddard Solvent	A	A	A	A	NS	C	A	A	A	A	A	A	A	-	-	-
Styrene	NS	NS	NS	NS	NS	NS	A	A	A	A	A	A	A	-	-	-
Sulfite Liquors	A	A	A	A	C	C	A	A	A	A	A	C	C	-	-	-
Sulfur (Molten)	NS	NS	NS	NS	NS	NS	A	A	A	A	A	A	A	A	A	A
Sulfur Dioxide	NS	NS	C	NS	NS	NS	A	A	A	A	A	A	A	A	A	A
Sulfuric Acid (<20%)	NS	NS	NS	NS	NS	NS	A	A	A	A	NS	NS	NS	NS	NS	NS
Sulfuric Acid (20-60%)	NS	NS	NS	NS	NS	NS	A	A	NS	A	-	-	-	NS	NS	NS
Sulfuric Acid (60-80%)	NS	NS	NS	NS	NS	NS	A	C	NS	A	-	-	-	NS	NS	NS
Sulfuric Acid (>80%)	NS	NS	NS	NS	NS	NS	C	NS	NS	A	-	-	-	NS	NS	NS
Fuming Sulfuric Acid, Oleum	NS	NS	NS	NS	NS	NS	A	NS	NS	A	NS	NS	NS	-	-	-
Tar	A	A	A	A	NS	NS	A	A	A	A	A	A	A	A	A	A
Tartaric Acid	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Tetrachloroethane	NS	NS	NS	NS	NS	NS	A	A	A	A	A	A	A	C	C	C

Chemical Resistance - Non-Metallic Gaskets

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Fluid	5000 7900 7910 7925 7950	8300 8900	8400	8500	8600	8700	9000 9000N 9002	9200	9400	Virgin Joint Sealant 9600	FGS95	CFG FGL316 FGM316	FGT316	S90	L316	T316
Tetrahydrofuran (THF)	NS	NS	NS	NS	NS	NS	A	A	A	A	A	A	A	-	-	-
Toluene	NS	NS	NS	NS	NS	C	A	A	A	A	A	A	A	A	A	A
Transformer Oil	A	A	A	A	NS	A	A	A	A	A	A	A	A	A	A	A
Transmission Fluid	A	A	A	A	NS	A	A	A	A	A	A	A	A	A	A	A
Trichloroethane	NS	NS	NS	NS	NS	NS	A	A	A	A	A	A	A	C	C	C
Trichloroethylene	NS	NS	NS	NS	NS	NS	A	A	A	A	A	A	A	C	C	C
Triethanolamine	A	A	A	A	NS	NS	A	A	A	A	C	C	C	A	C	C
Turpentine	A	A	A	A	NS	NS	A	A	A	A	A	A	A	A	A	A
Urea	A	A	A	A	NS	A	A	A	A	A	A	A	A	A	A	A
Varsol	A	A	A	A	NS	NS	A	A	A	A	A	A	A	A	A	A
Vegetable Oil	A	A	A	A	NS	NS	A	A	A	A	A	A	A	A	A	A
Vinegar	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Vinyl Acetate	NS	NS	NS	NS	NS	NS	A	A	A	A	A	A	A	A	A	A
Vinyl Chloride	NS	NS	NS	NS	NS	NS	A	A	A	A	A	A	A	-	-	-
Water	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Water Mine Acid	C	C	C	C	NS	NS	A	A	-	A	-	-	-	-	-	-
Water Deionized	A	A	A	A	A	A	A	A	A	A	-	-	-	-	-	-
Water, Sea	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Whiskey	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
White Sulfate Liquor	A	A	A	A	NS	A	A	A	A	A	A	A	A	A	A	A
White Spirit	A	A	A	A	NS	C	A	A	A	A	A	A	A	-	-	-
Wines	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Xylene	NS	NS	NS	NS	NS	NS	A	A	A	A	A	A	A	A	A	A
Zinc Chloride	A	A	A	A	A	A	A	A	A	A	A	A	A	-	-	-
Zinc Nitrate	A	A	A	A	A	A	A	A	C	A	C	C	C	-	-	-
Zinc Sulfate	A	A	A	A	A	A	A	A	A	A	A	A	A	-	-	-

The information provided in the Chemical Resistant Charts (pages 65-72) is a general guide for the selection of a suitable gasket material. The substances listed are evaluated for their effect on the gasket materials at ambient temperature -40°F/C to 38°C (100°F) unless stated otherwise. For unusual conditions of fluid concentrates, internal pressures or temperature consult our technical support team. This evaluation is based on experience and laboratory or field tests. No guarantee can be given as to the actual performance experienced by the end user. There are several fluids used in food which can be sealed by SBR, however due to flavor pickup, we have marked these products "Caution." These chemical resistance charts supersede and obsolete all previously issued charts.

* With mineral oil

** With polyolester oil

*** Durlon® styles 9002 & 9200 have BAM Oxygen Service: Gaseous & Liquid (Test Report) and should be cleaned & packaged for oxygen service prior to installation.